

FIG. 1

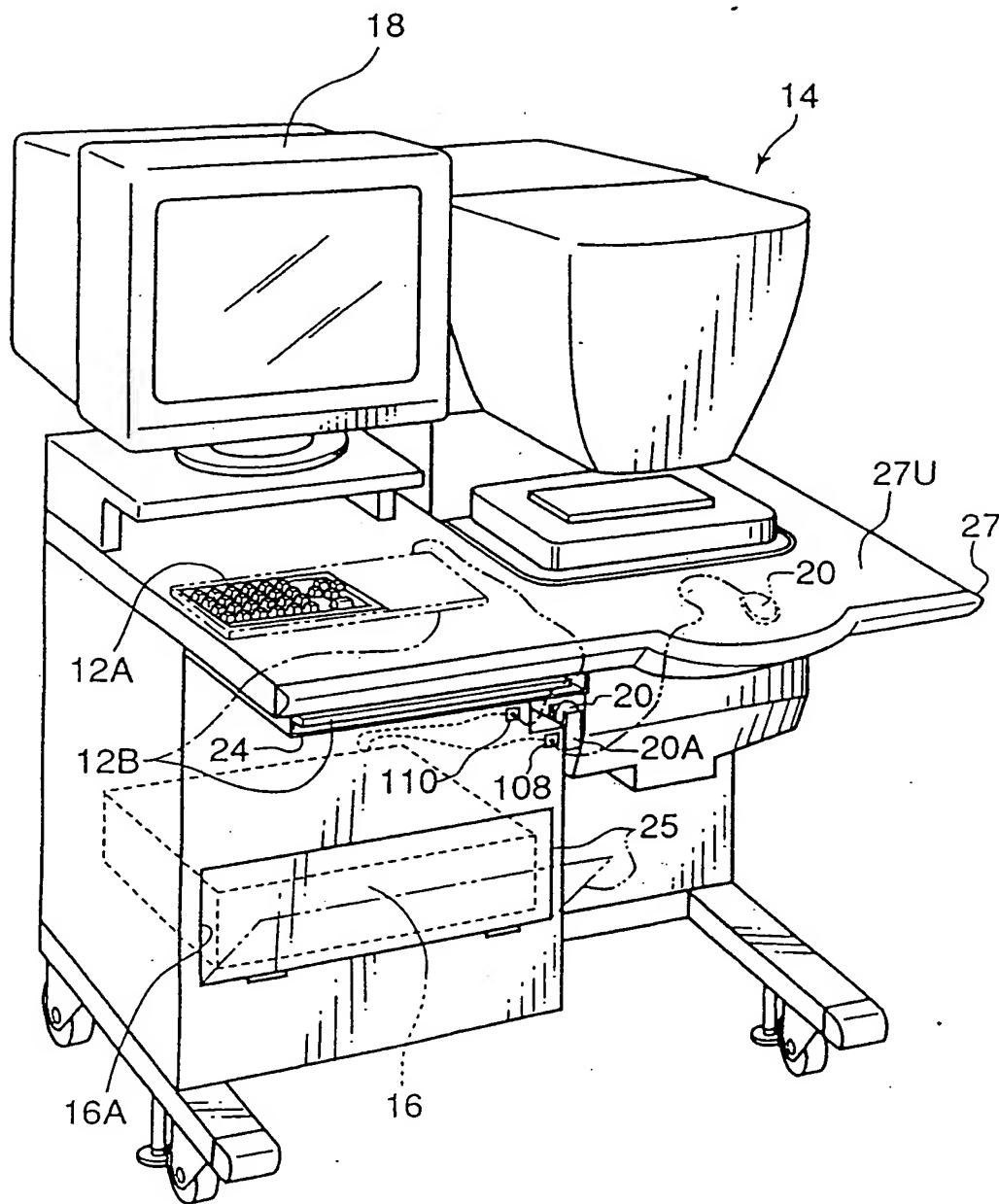


FIG. 2

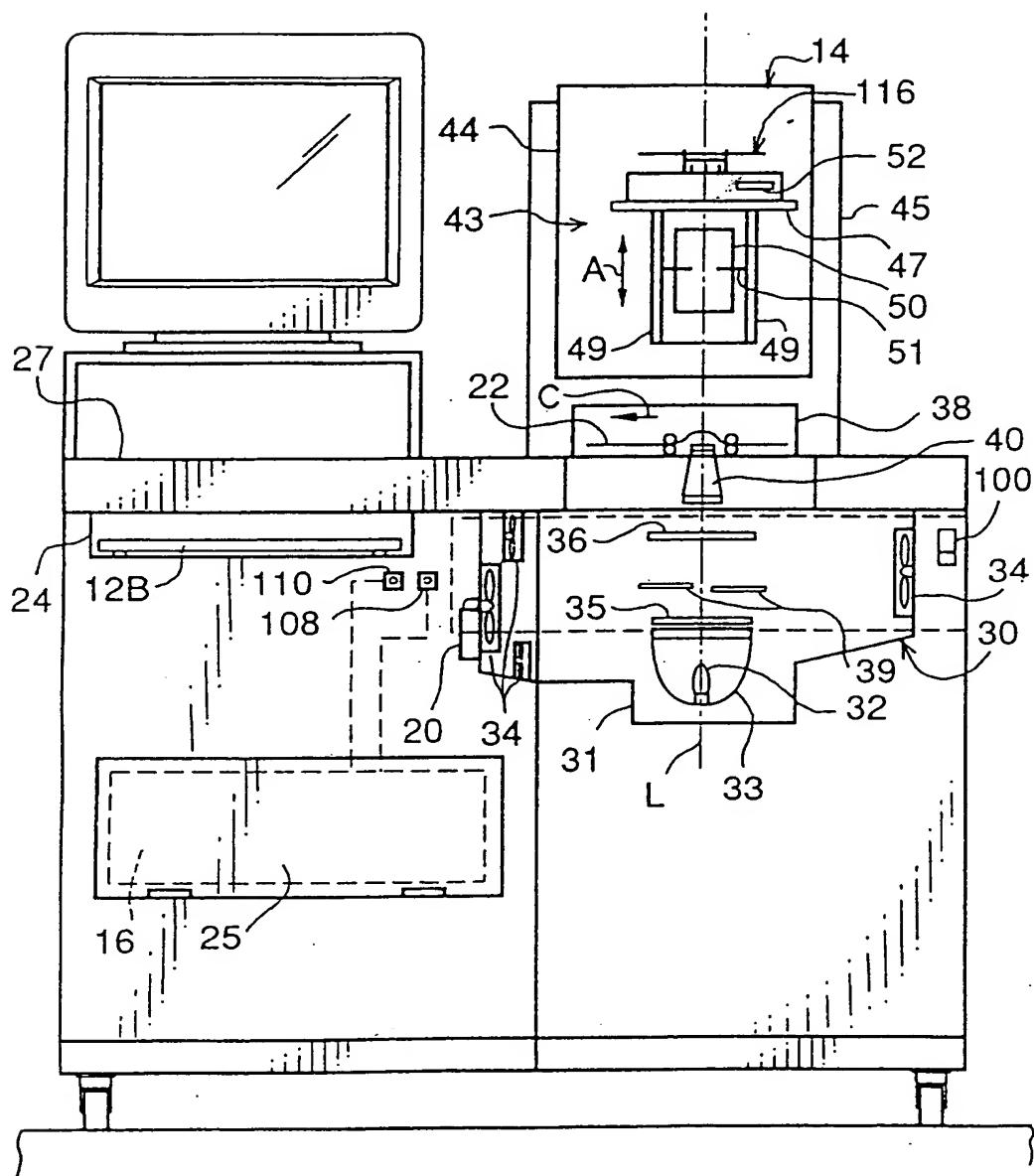


FIG. 3

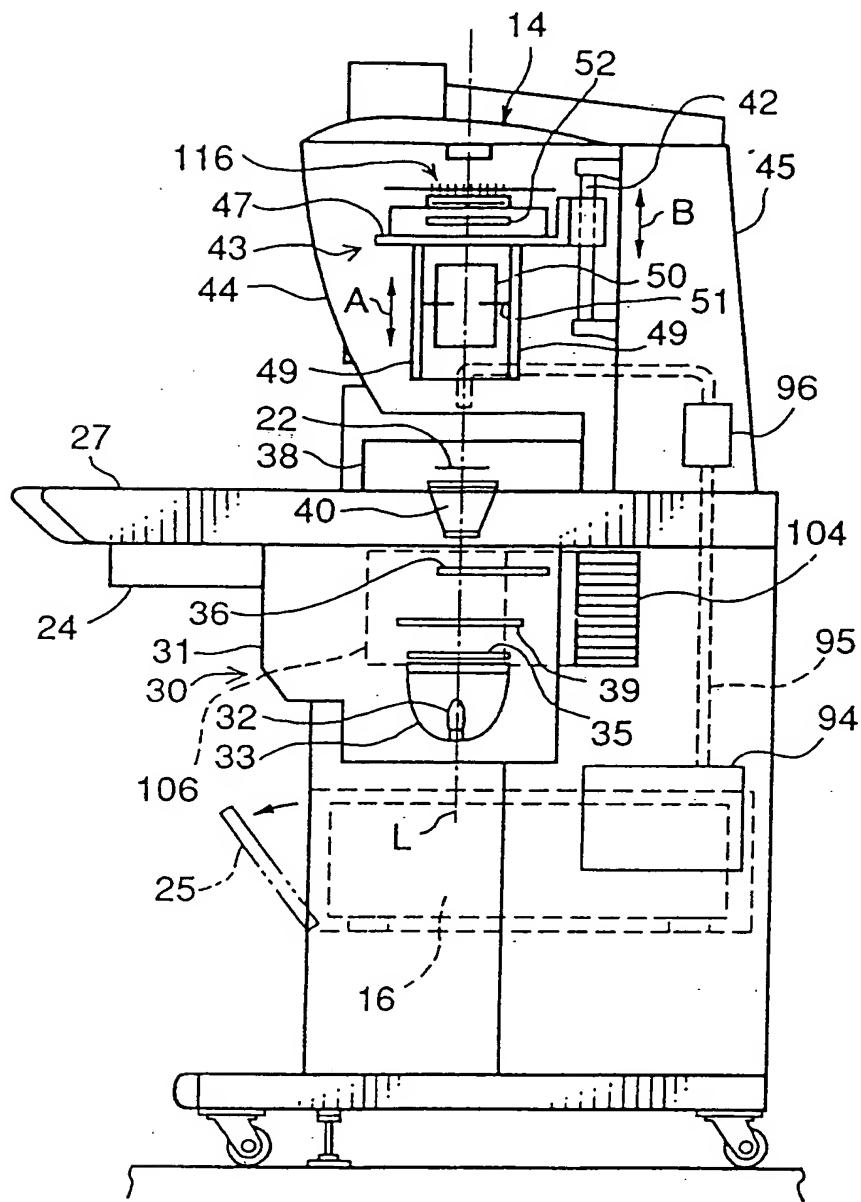


FIG. 4A

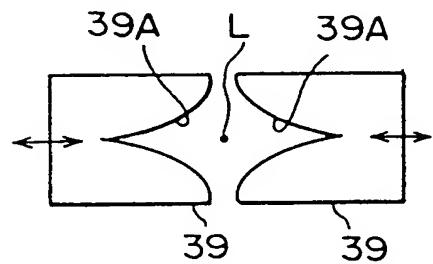


FIG. 4B

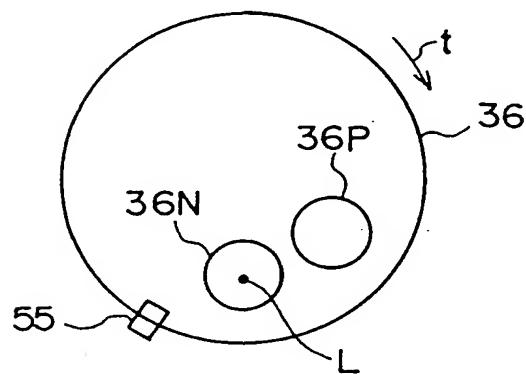


FIG. 4C

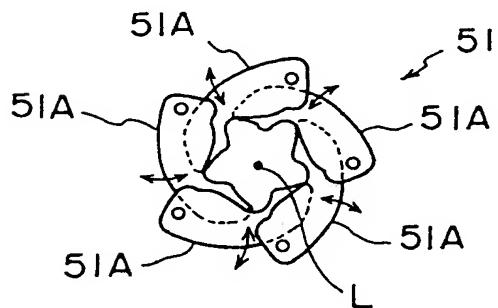


FIG. 4D

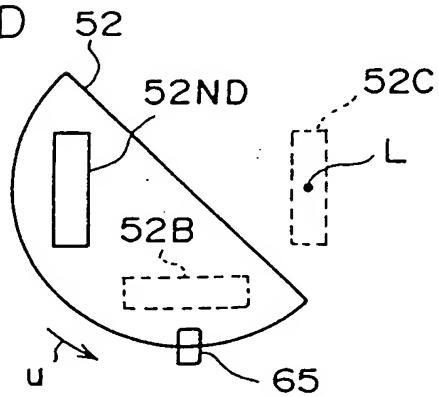


FIG. 5

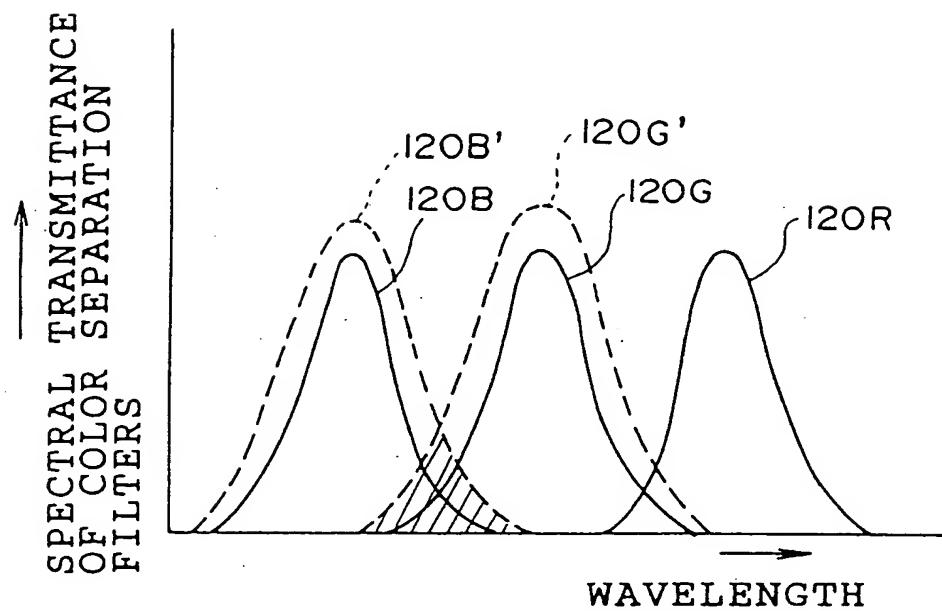


FIG. 6

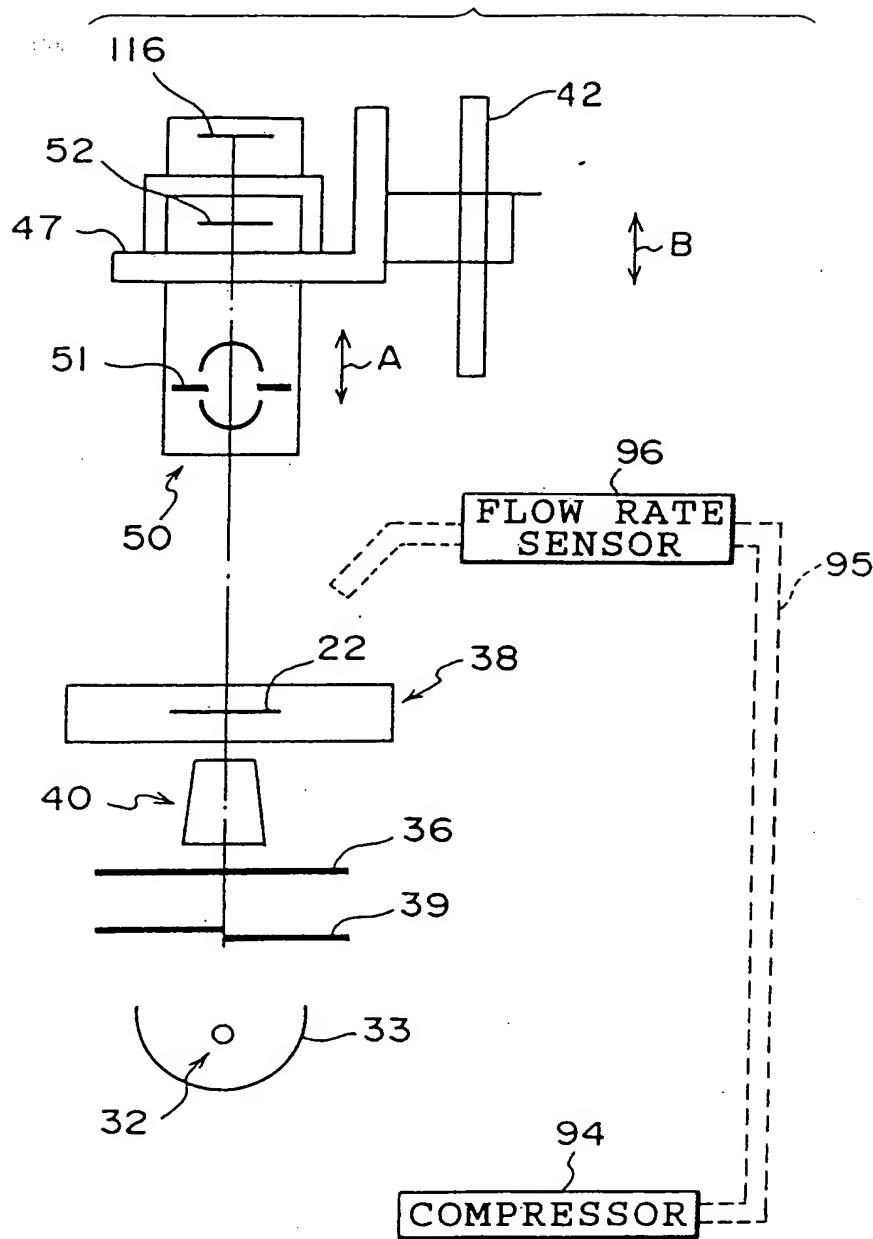


FIG. 7

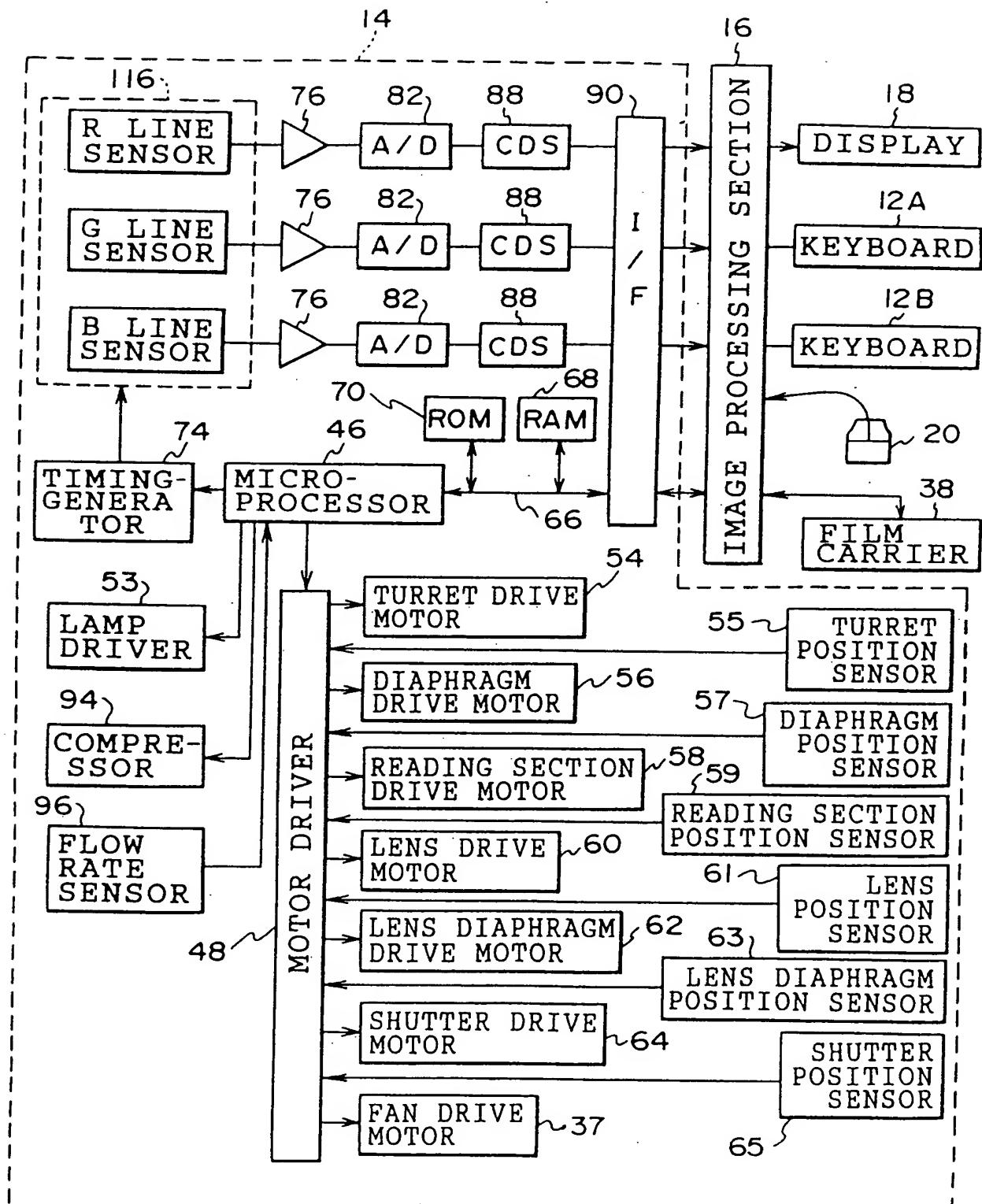


FIG. 8

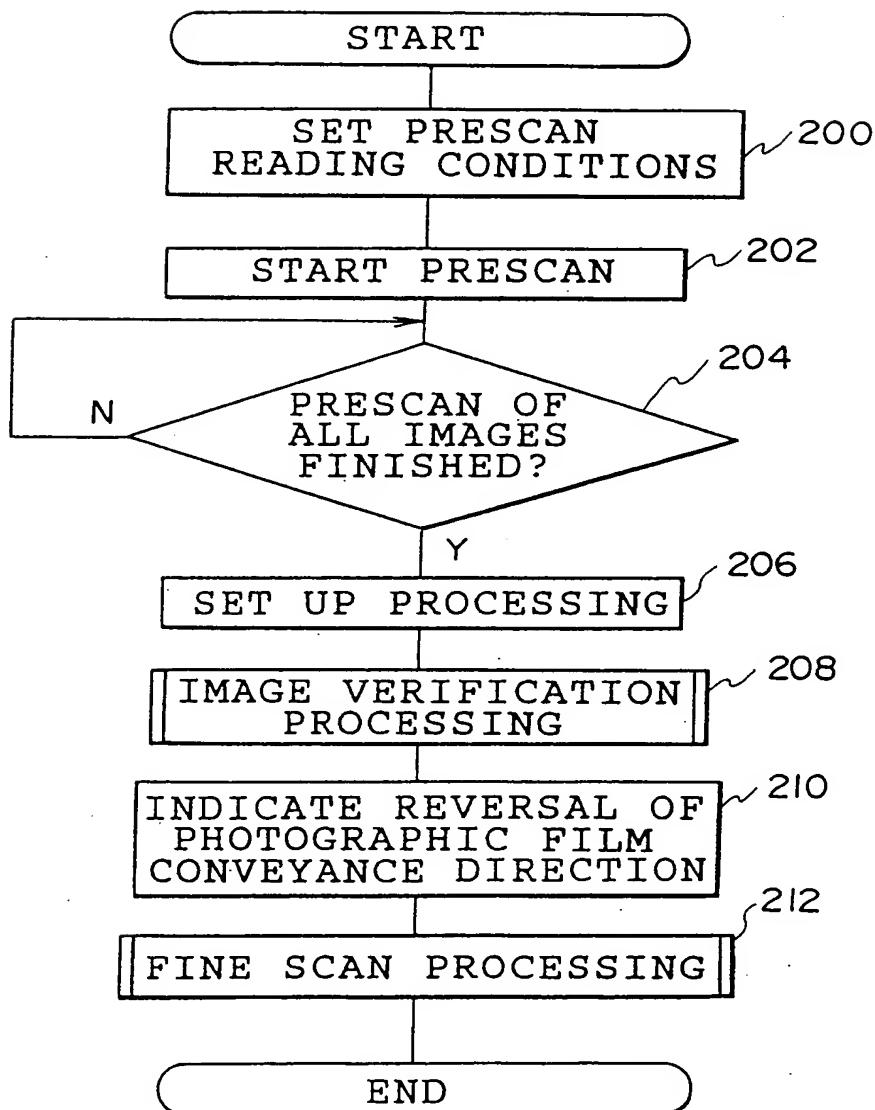
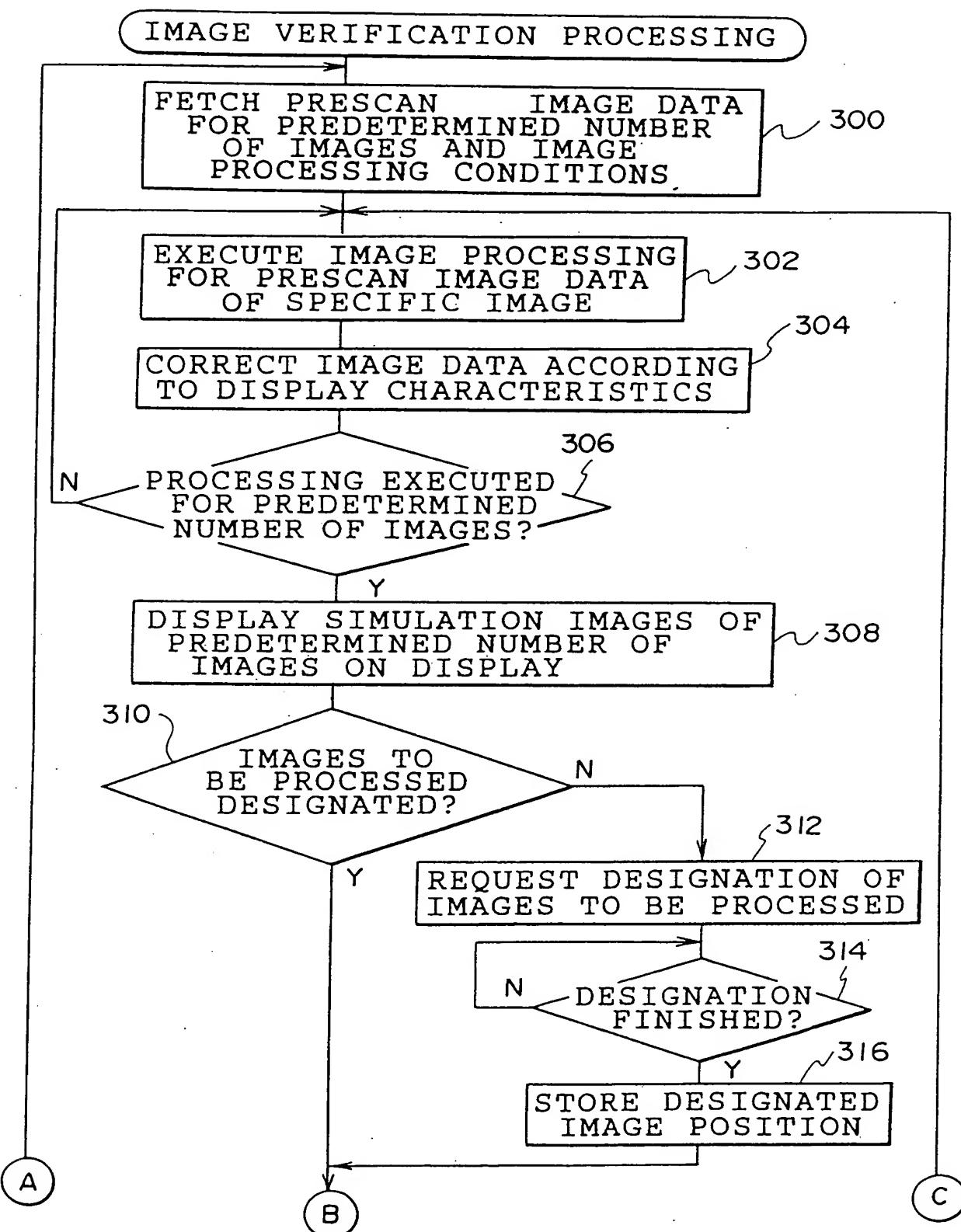


FIG. 9A



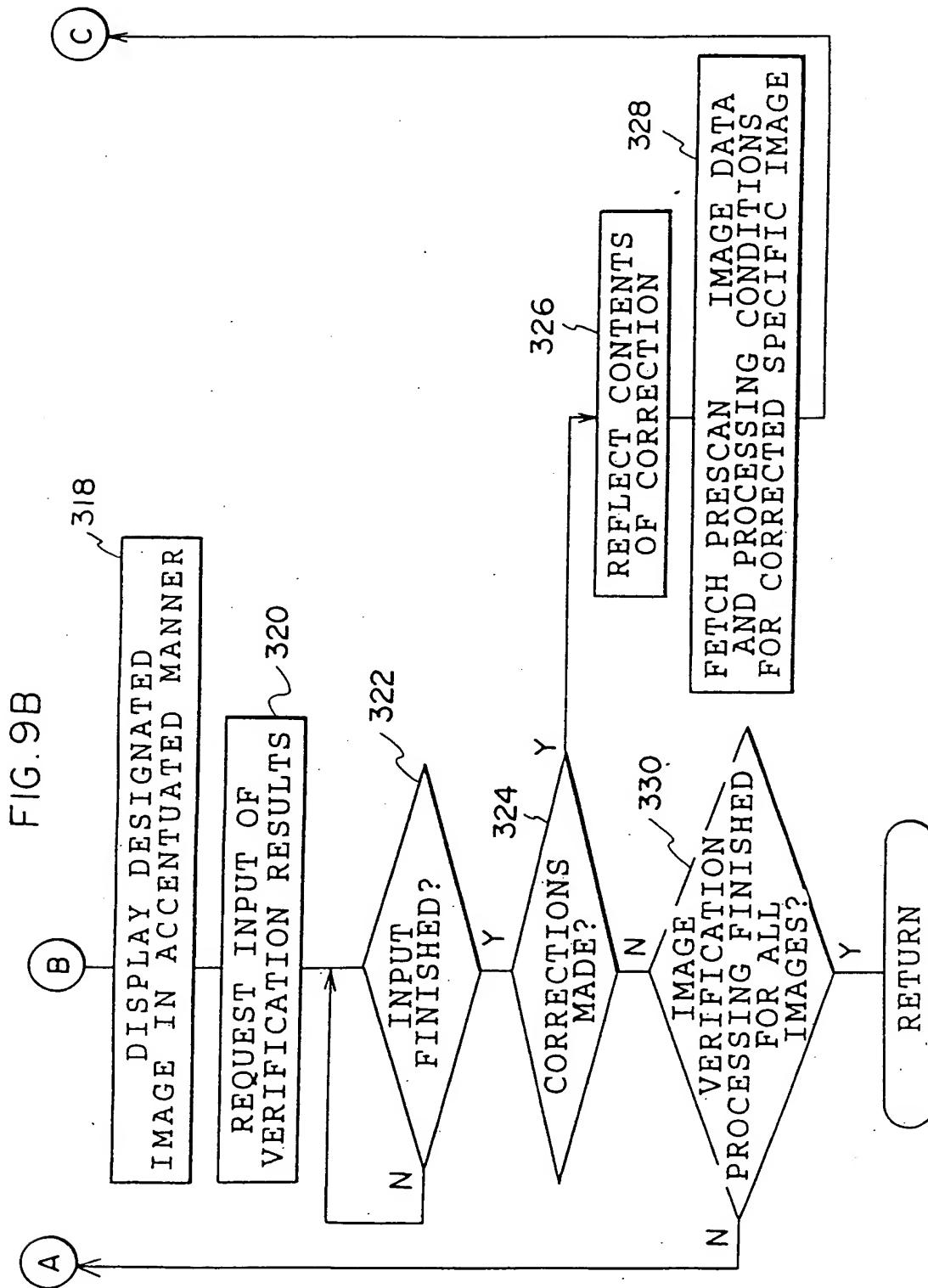


FIG. 10

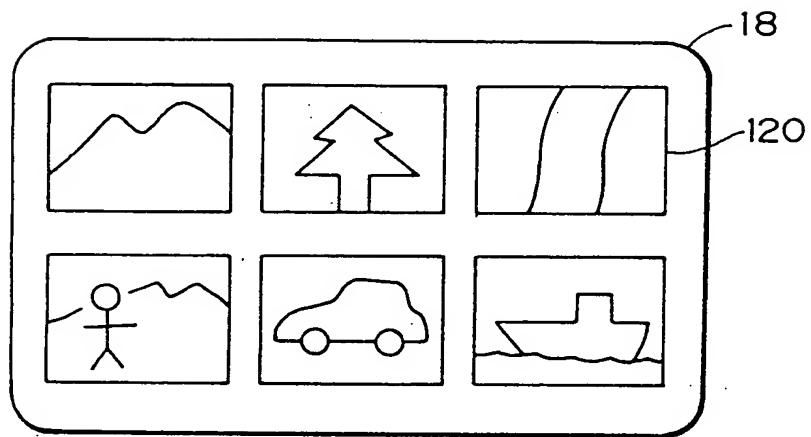


FIG. IIA

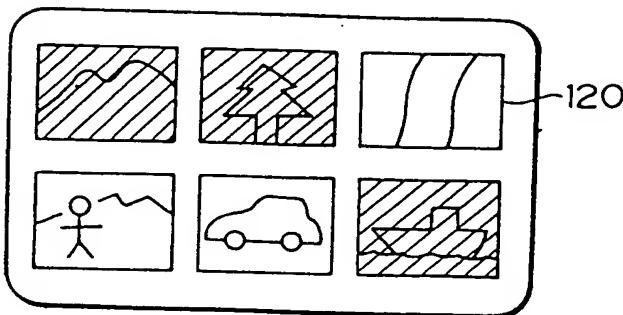


FIG. IIB

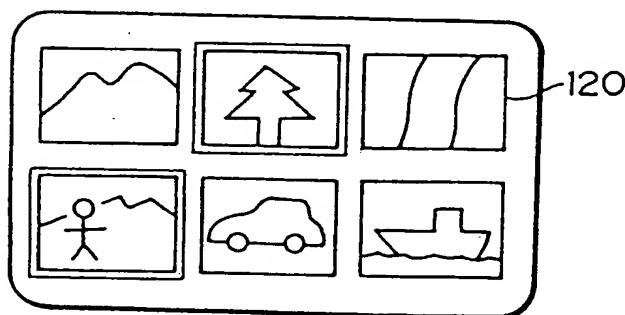


FIG. IIC

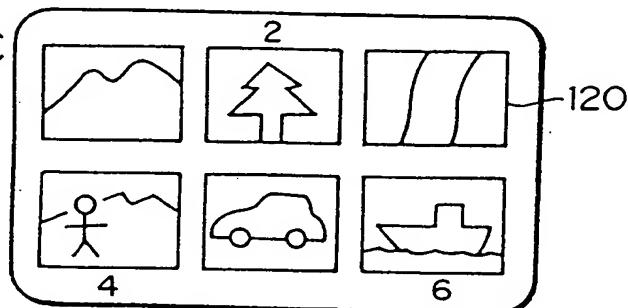


FIG. IID

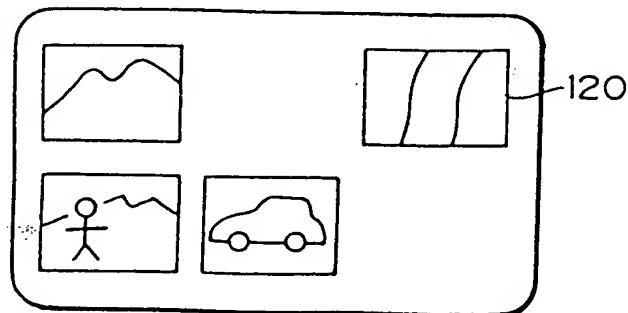


FIG. 12A

FINE SCAN PROCESSING

400

CALCULATE DETERMINABLE POSITION OF PHOTOGRAPHIC FILM LOCATED AT READ POSITION WHEN READING CONDITIONS CAN BE SET

402

DETERMINABLE POSITION DOWNSTREAM N  
ALONG CONVEYING DIRECTION?

406

DETERMINABLE POSITION UPSTREAM N  
ALONG CONVEYING DIRECTION?

408

INDICATE REVERSAL OF PHOTOGRAPHIC FILM CONVEYANCE DIRECTION

404

CONVEY PHOTOGRAPHIC FILM AT HIGH SPEED

412

DETERMINABLE POSITION HAS BEEN READ  
N  
POSITION?

410

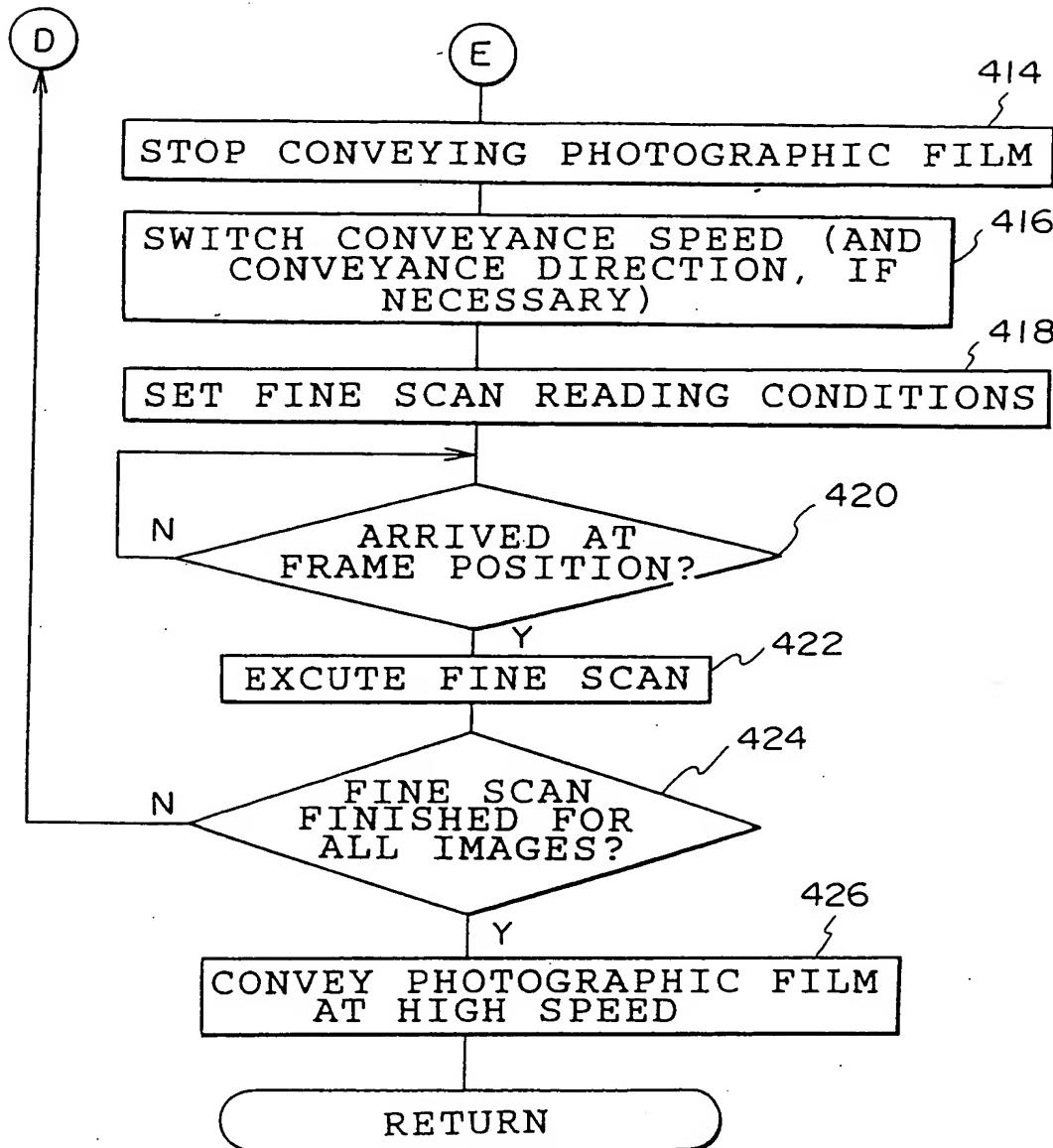
Y

Y

D

E

FIG. 12B



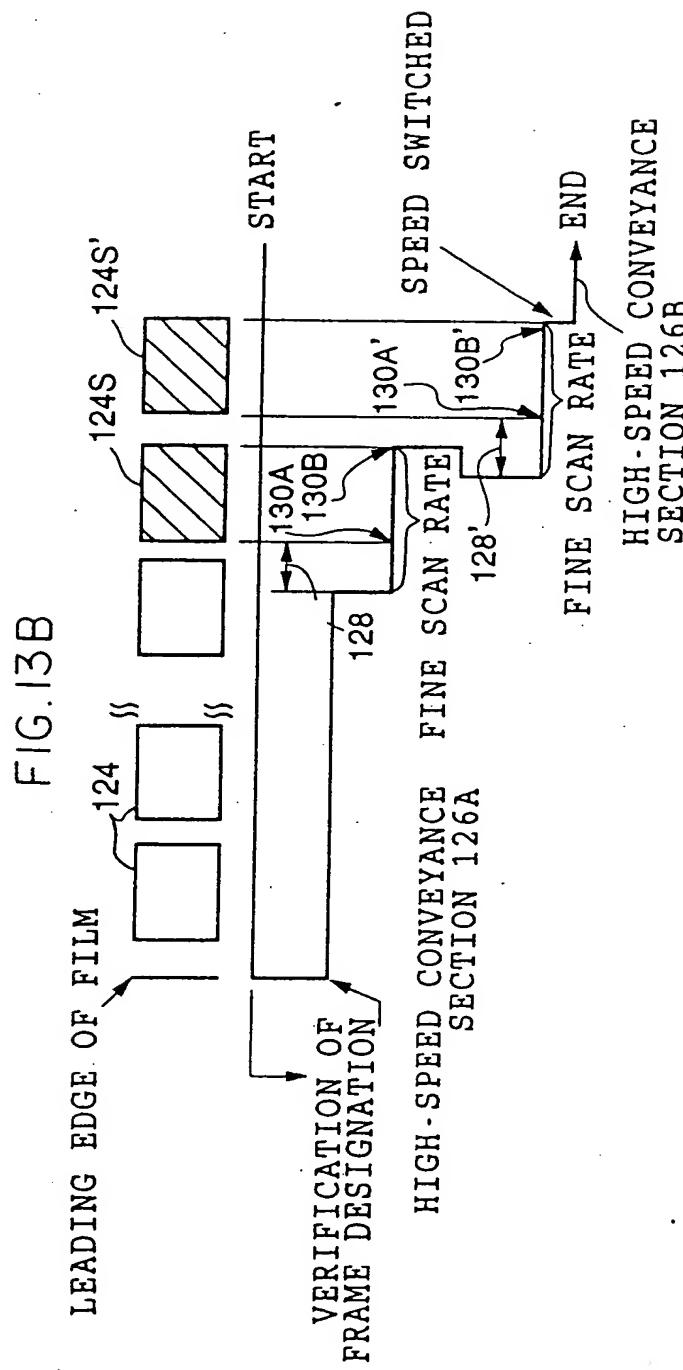
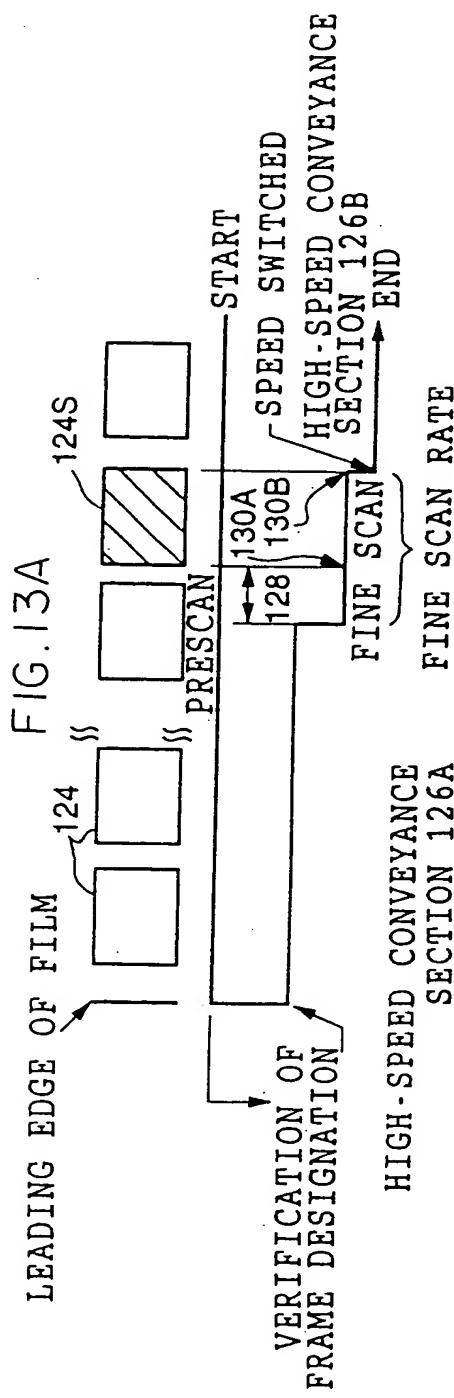


FIG. 14

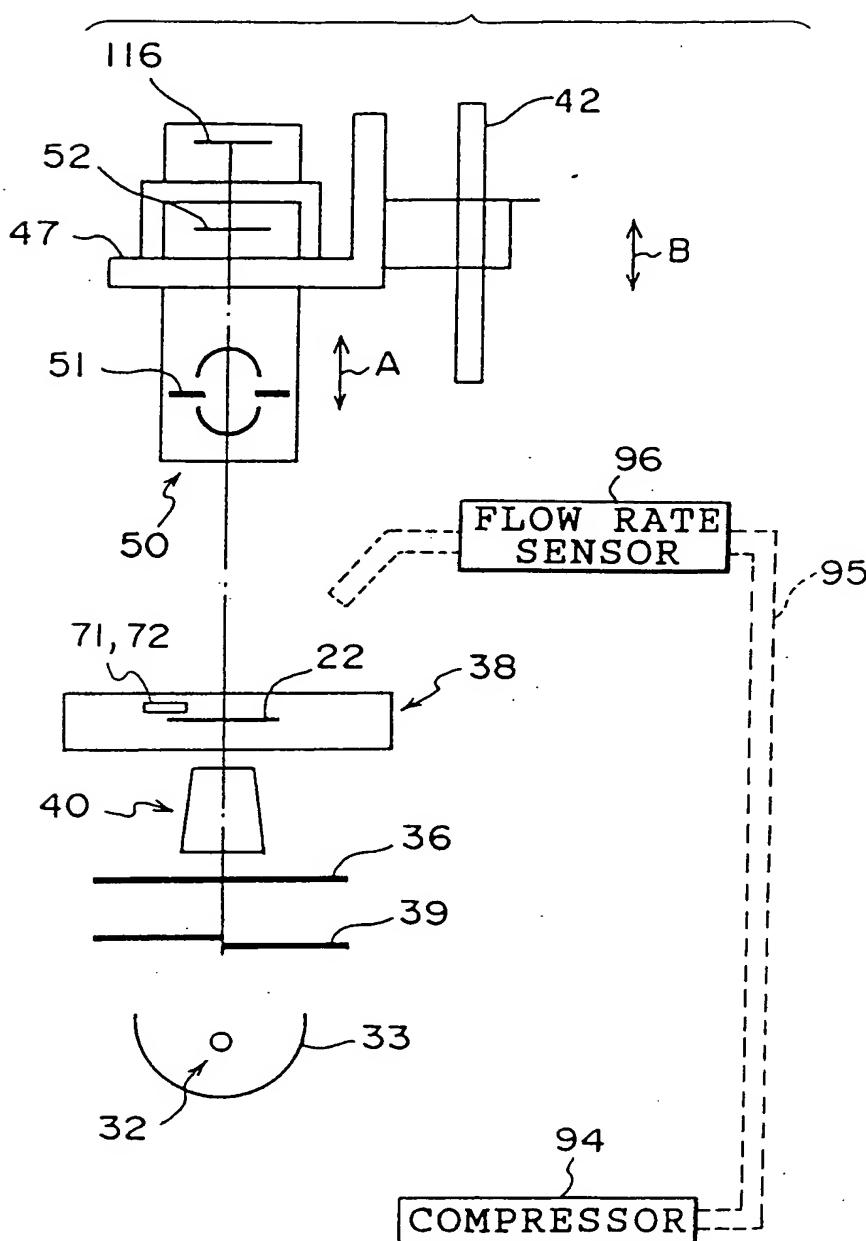


FIG. 15

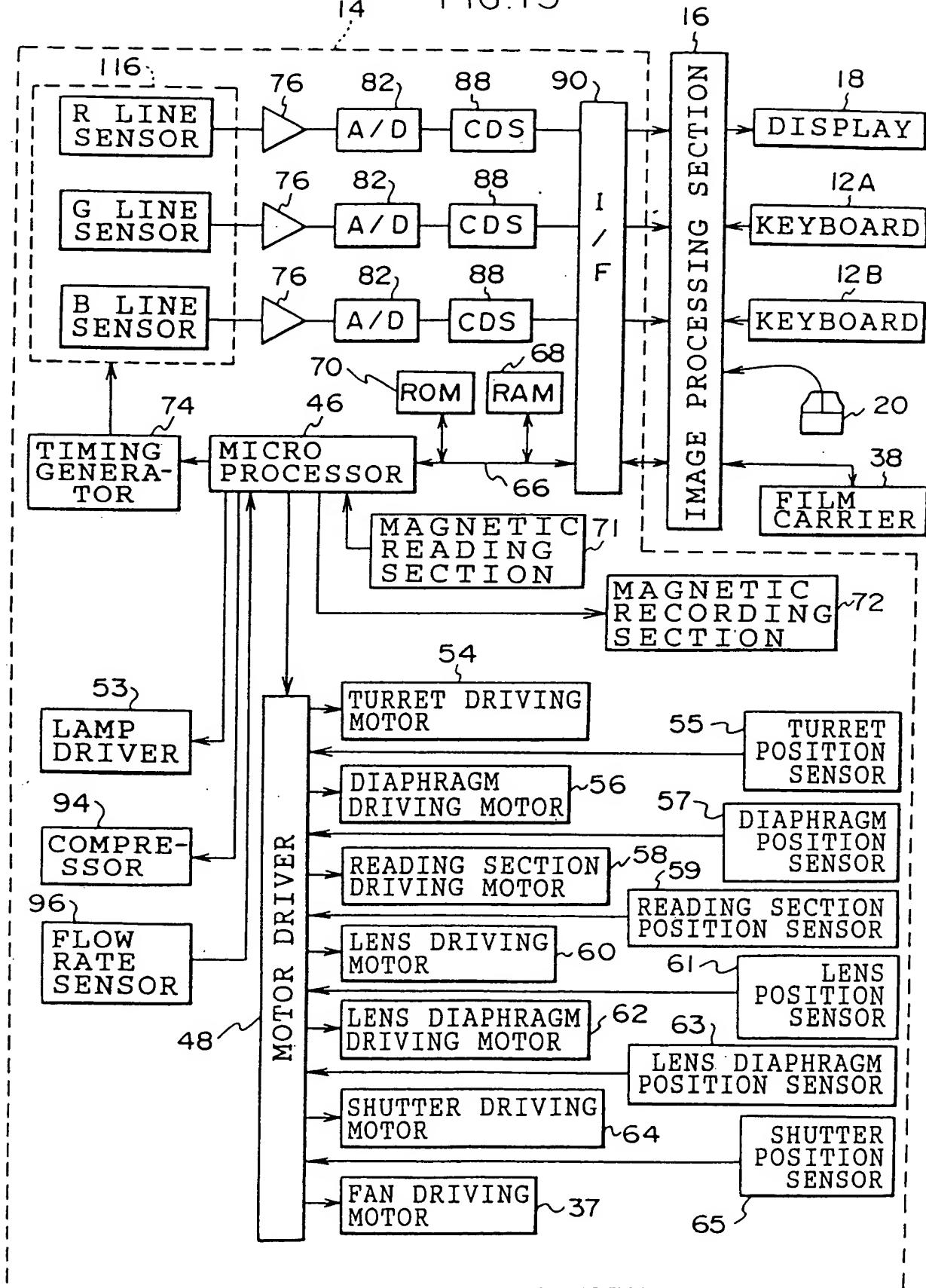


FIG. 16

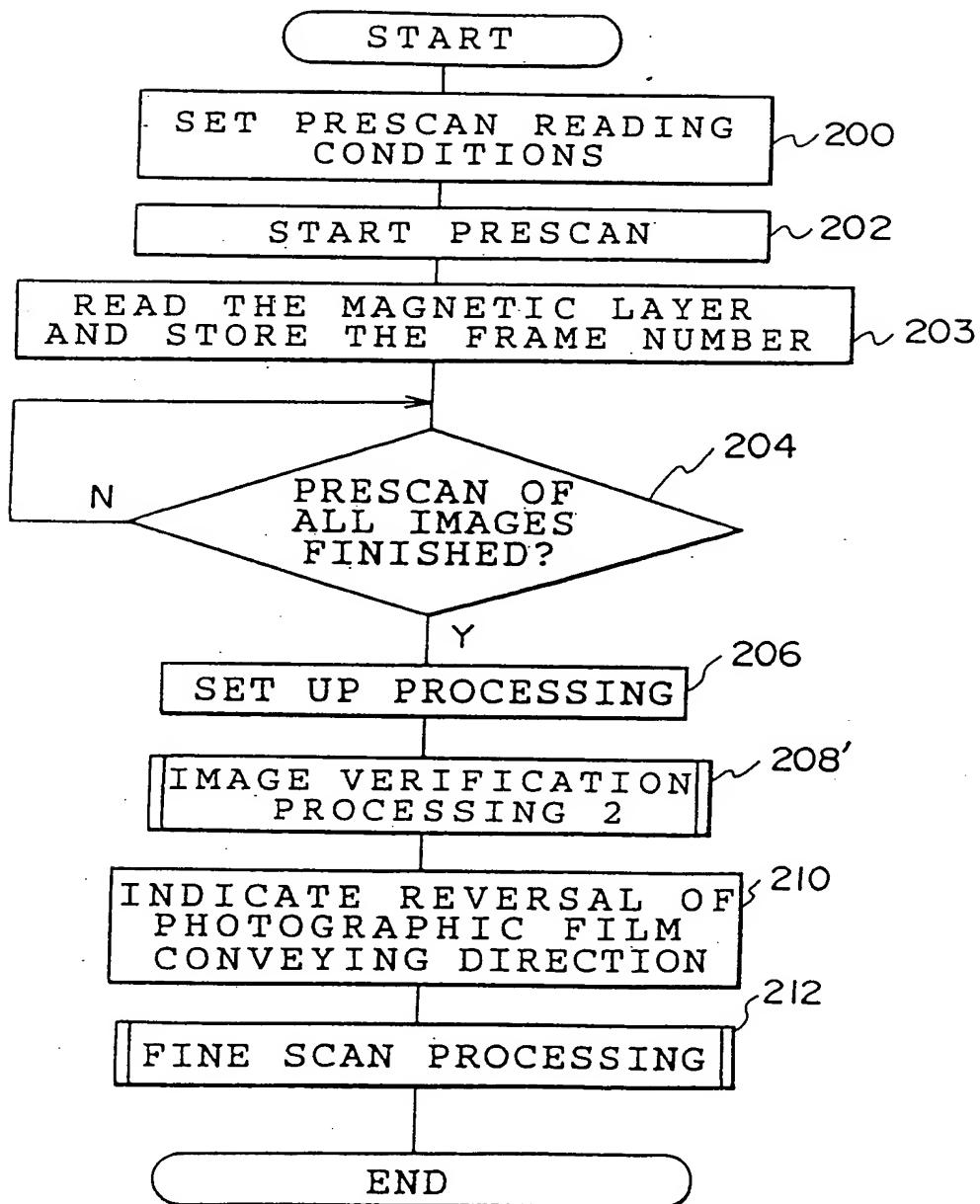


FIG. 17A

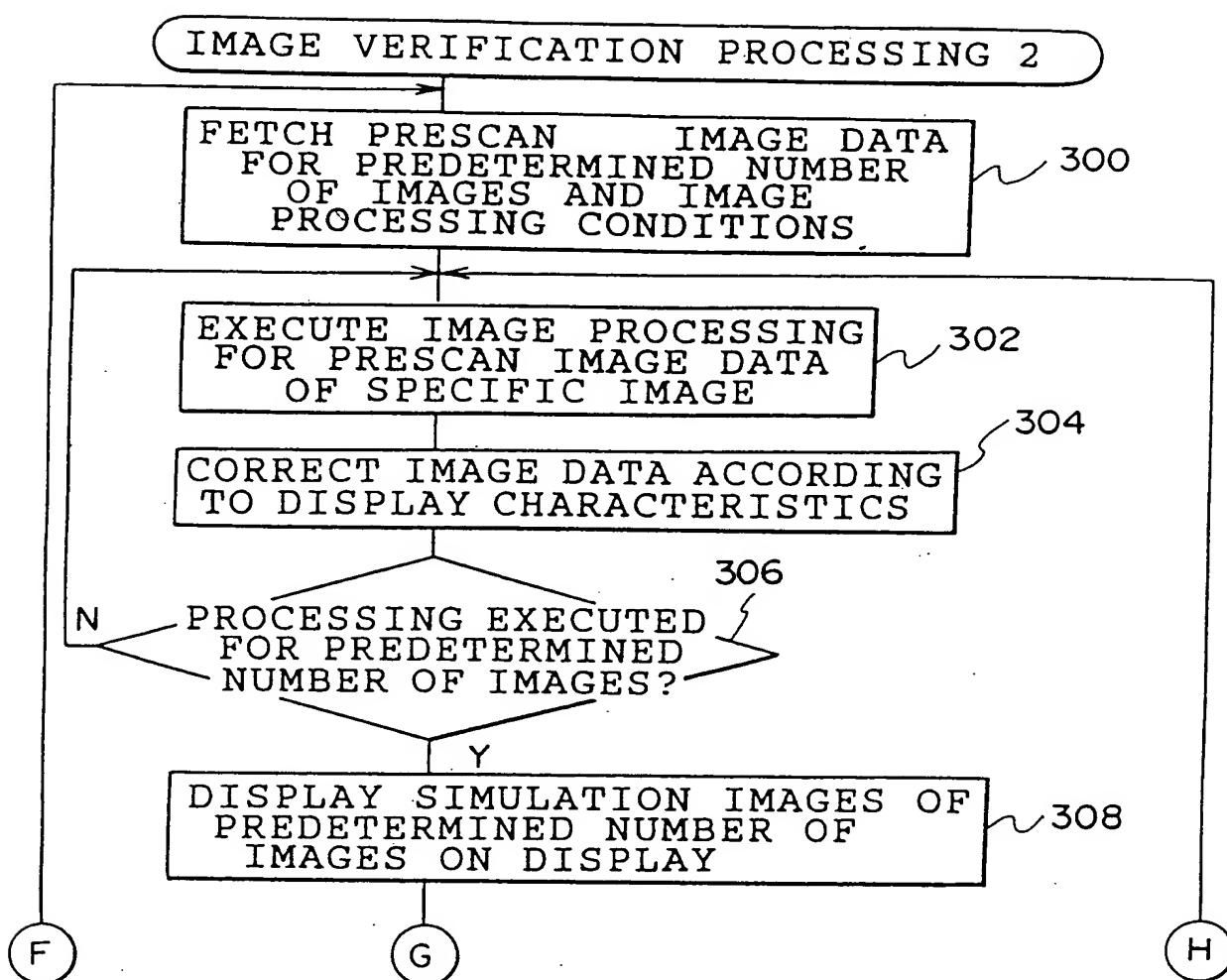


FIG. 17B

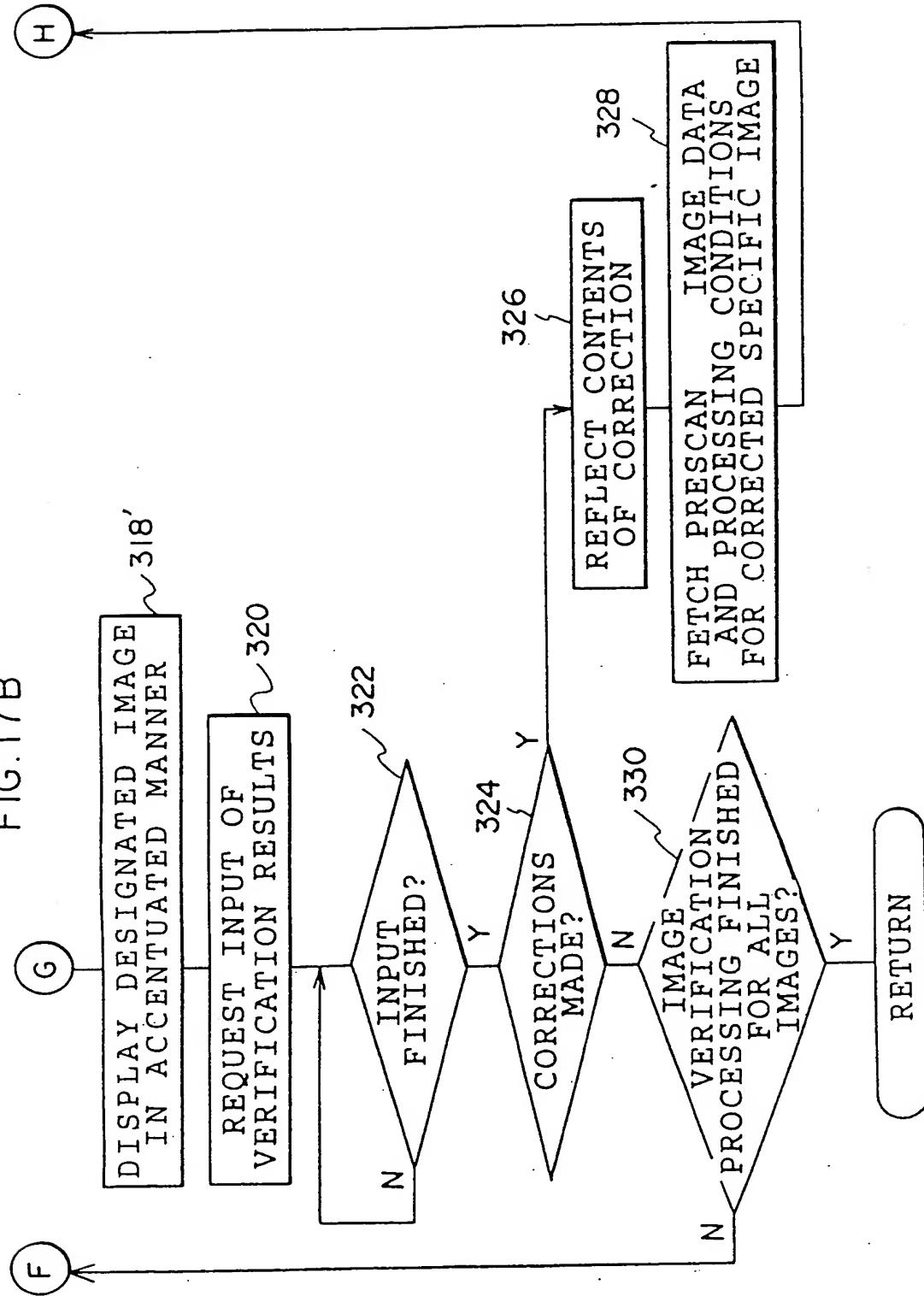


FIG. 18

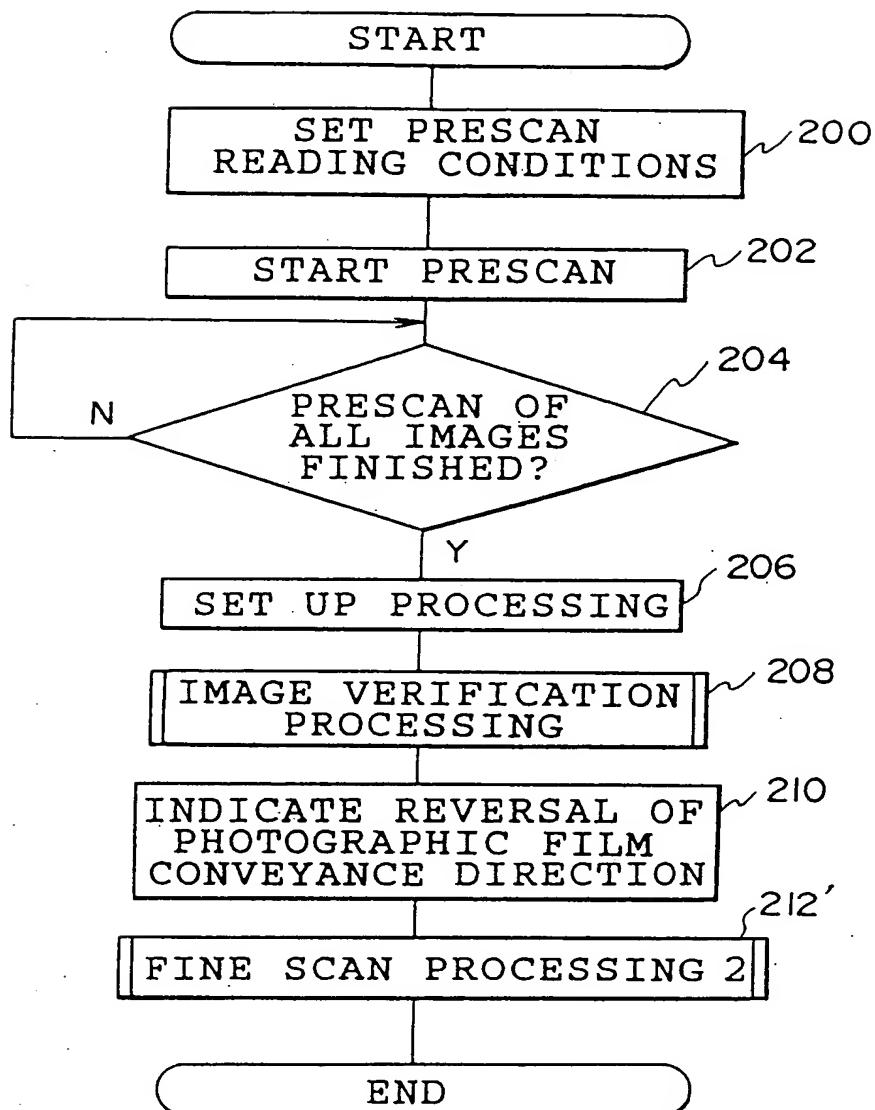


FIG. 19A

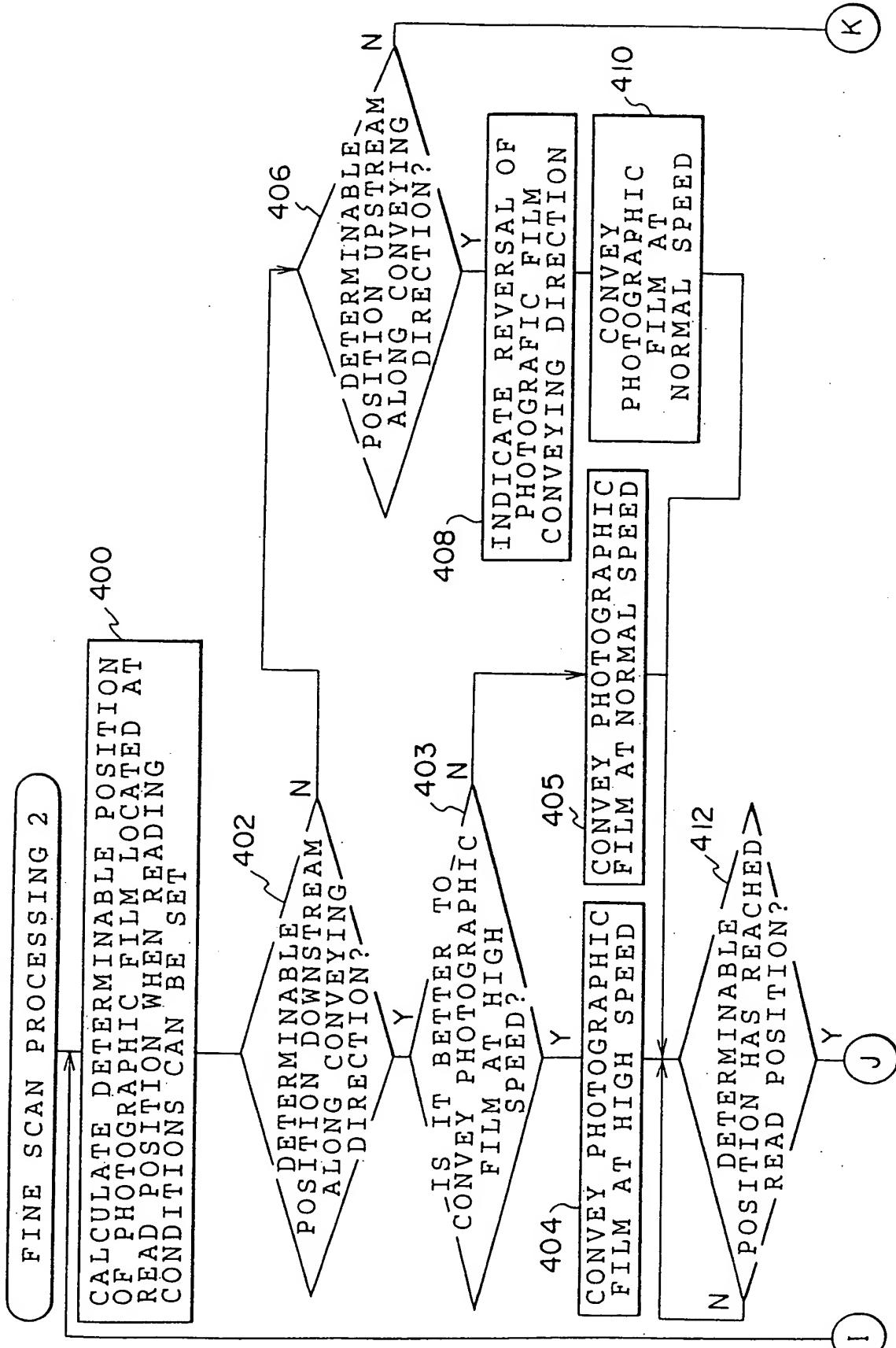


FIG. 19B

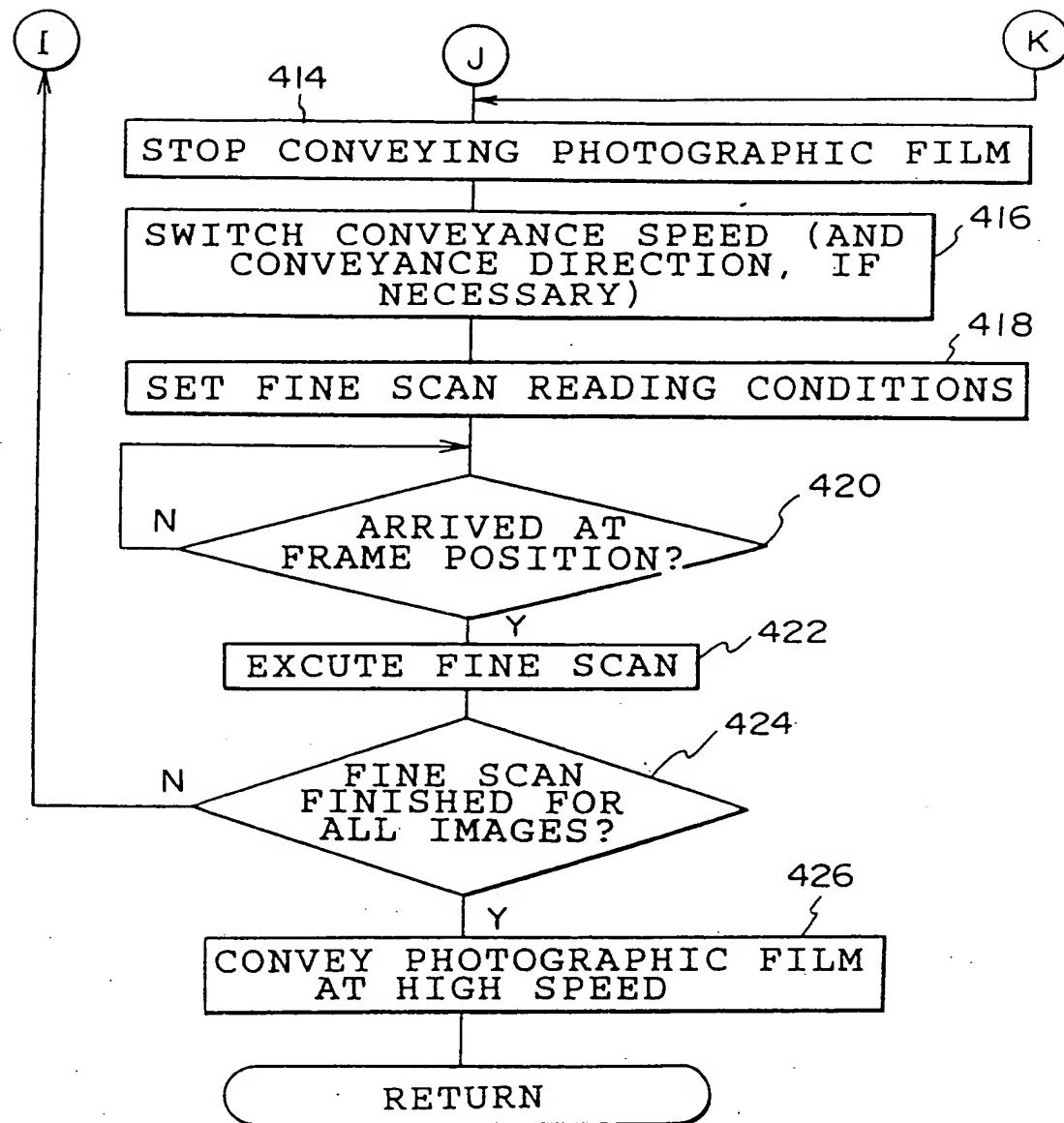


FIG. 20

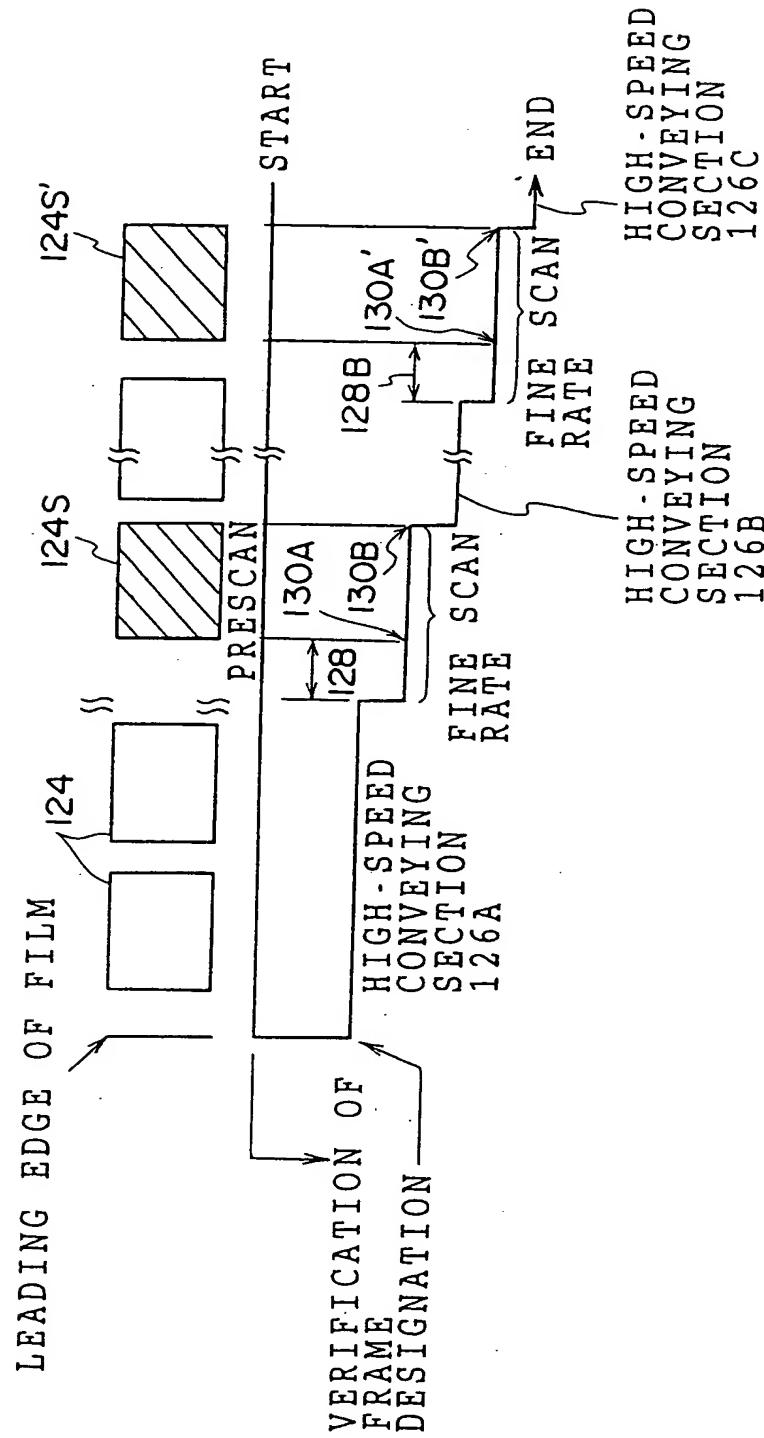


FIG. 21

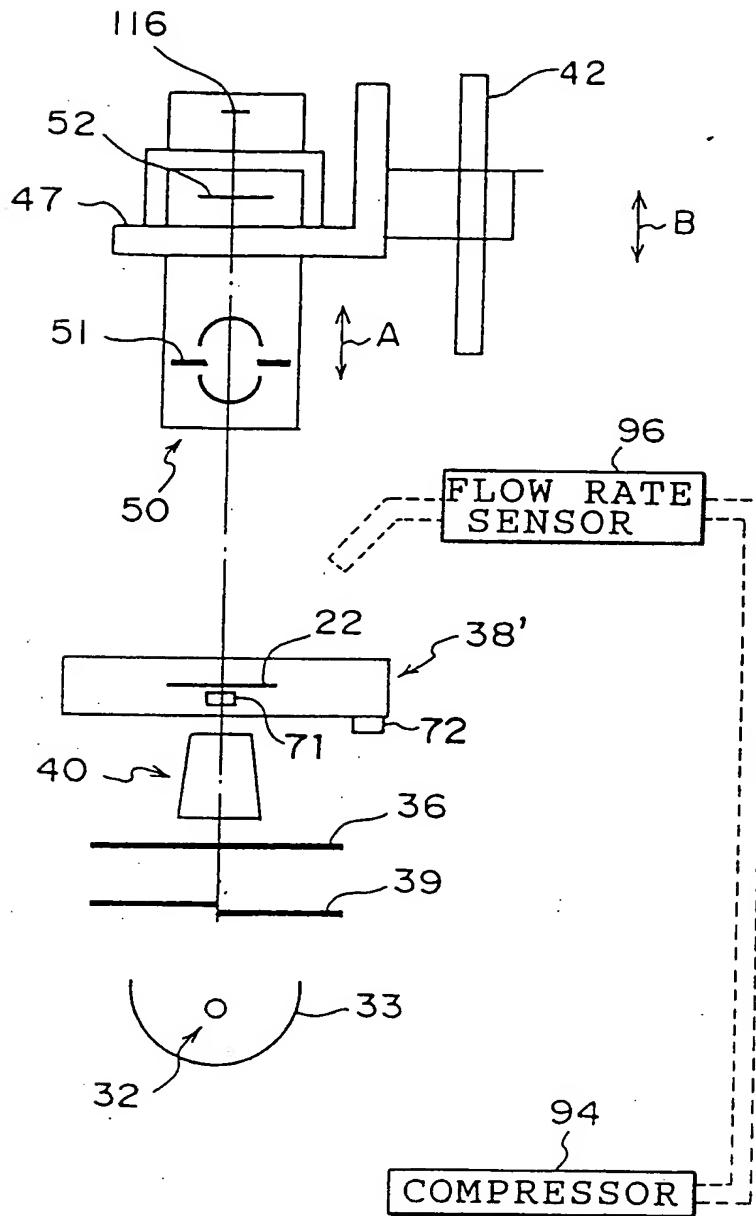


FIG. 22

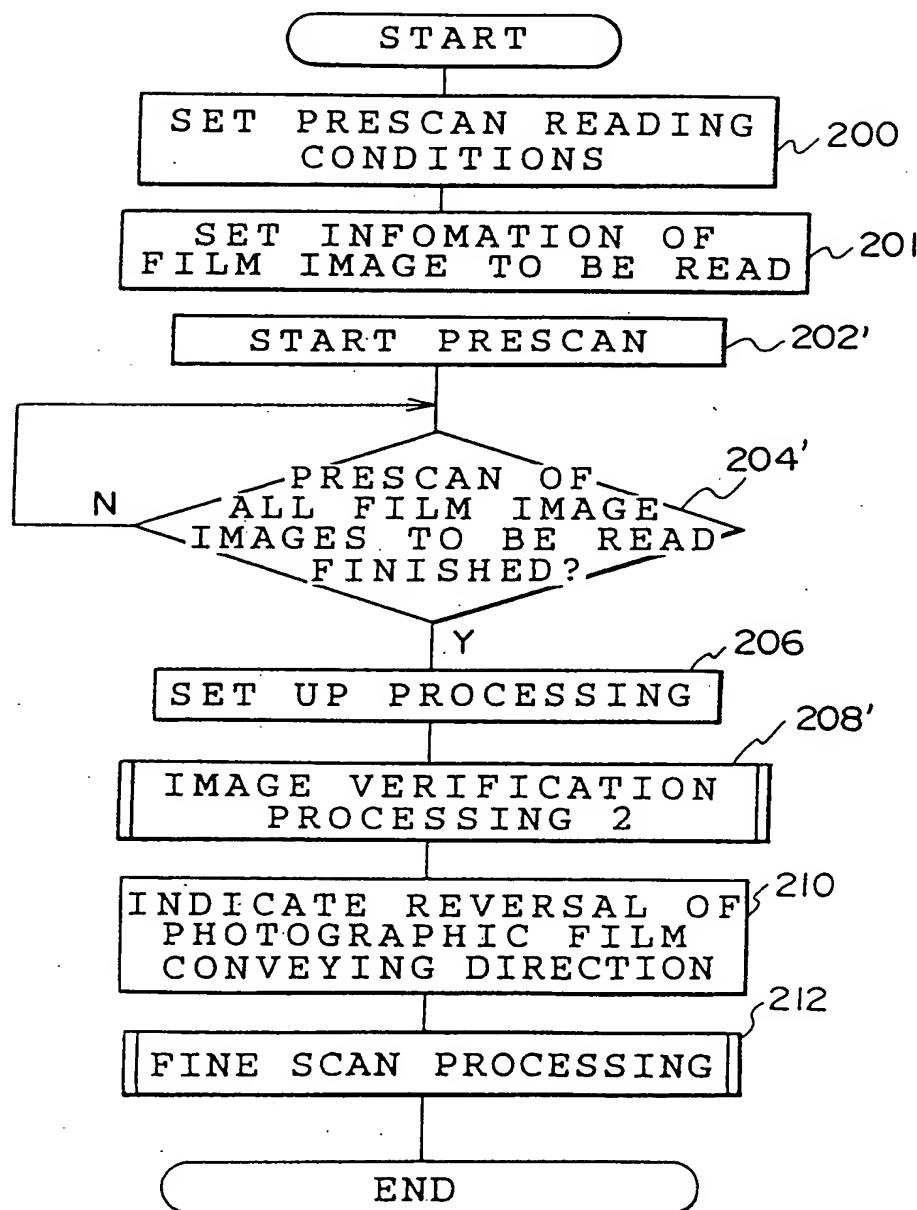


FIG. 23

